# Zika Virus Update: July 13

COUNTY OF MORRIS

DEPARTMENT OF PLANNING AND PUBLIC WORKS

DIVISION OF MOSQUITO CONTROL

KRIS MCMORLAND, DIRECTOR

## ZIKA VIRUS

- Zika is a viral infection spread primarily by the bite of an infected Aedes aegypti.
- Aedes aegypti has occasionally been found in New Jersey but in very low numbers and due to climate is unlikely to establish a permanent population.
- State and local agencies are on the lookout for this particular mosquito.
- ► The Asian Tiger Mosquito, Aedes albopictus, also has the ability to transmit the virus though it is not as efficient as the Aedes aegypti.

## PROTECT YOUR FAMILY AND COMMUNITY:

HOW ZIKA SPREADS

Most people get Zika from a mosquito bite



More members in the community become infected



More mosquitoes get infected and spread the virus



A mosquito bites a person infected with Zika virus



The mosquito becomes infected



A mosquito will often live in a single house during its lifetime



The infected mosquito bites a family member or neighbor and infects them

## Other, less common ways, people get Zika:



During pregnancy
A pregnant woman
can pass Zika virus
to her fetus during
pregnancy, Zika causes
microcephaly, a severe
birth defect that is a
sign of incomplete brain
development



Through sex Zika virus can be sexually transmitted by a man to his partners



Through blood transfusion
There is a strong possibility that
Zika virus can be spread through blood transfusions



## Aedes aegypti



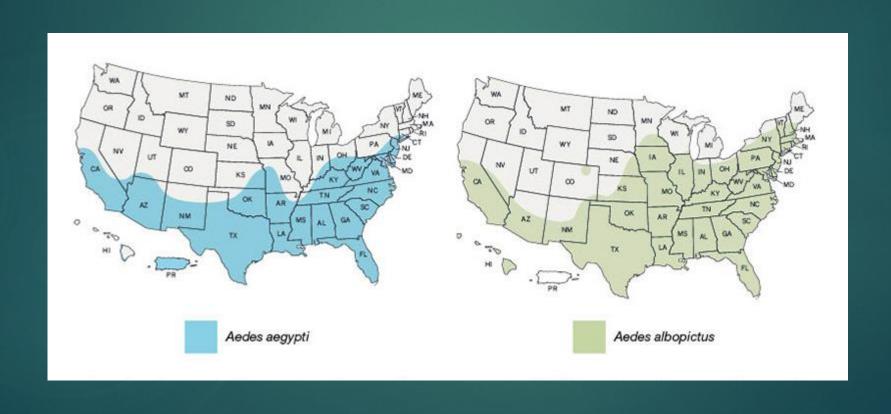
- Urban mosquito
- Container habitats
- Day biting (dusk & dawn)
- Multiple bloodmeals
- ▶ Endophilic
- Anthropophilic
- ► There are NO populations in NJ

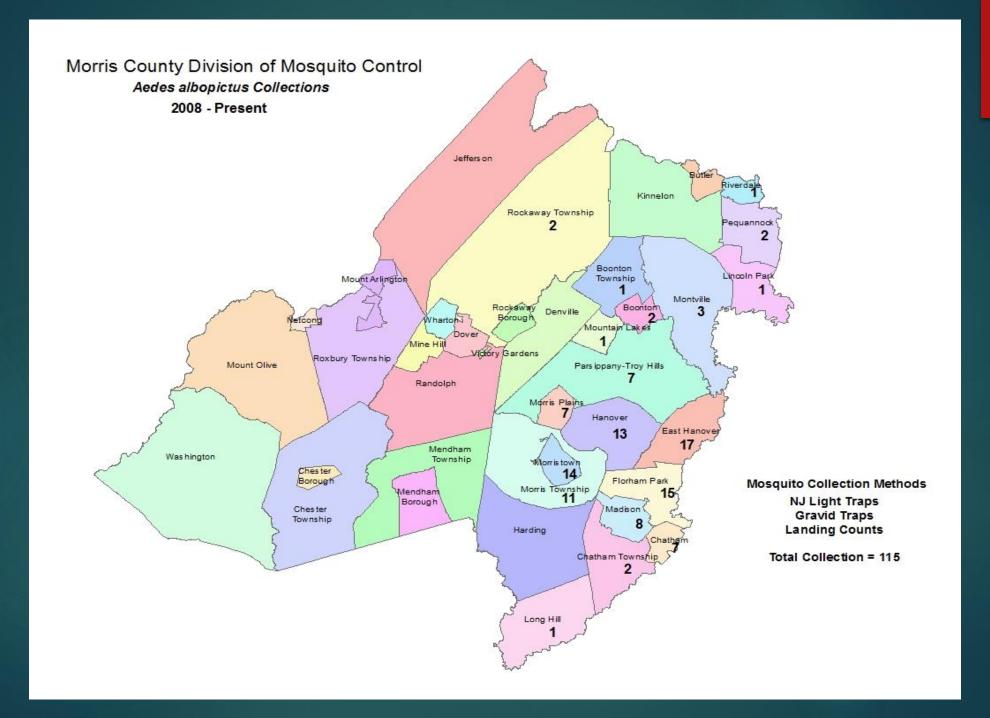
## Aedes albopictus



- ► Highly adaptive mosquito
- Natural & artificial containers
- ► Rural & suburban
- Opportunistic day biting (dusk & dawn)
- ▶ Outside & inside
- \*Wider host range

# CDC Estimated Range of Ae. aegypti and Ae. albopictus



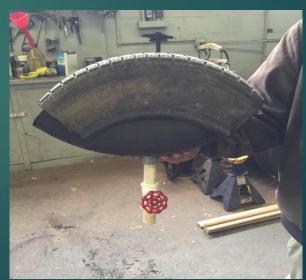


# Ovillanta Trap



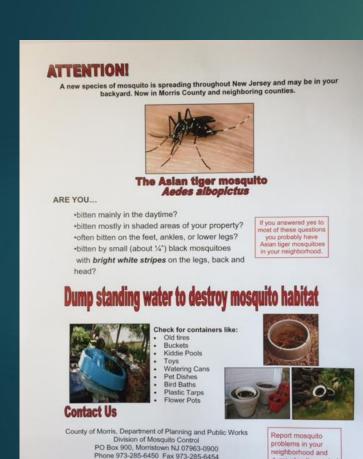




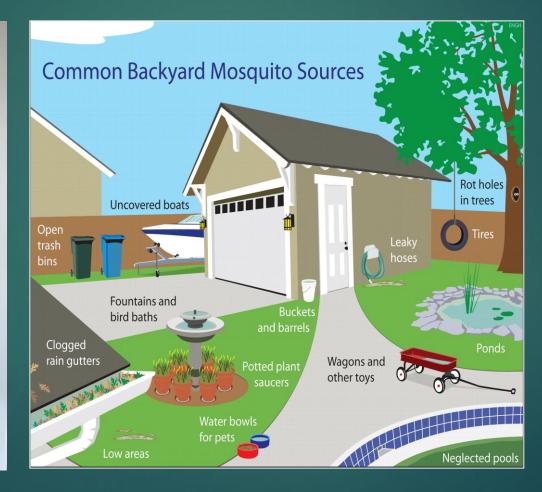


## Public Education

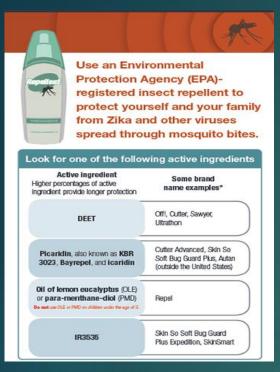
dump standing water



www.morrismosquito.org











CHIKUNGUNYA, DENGUE, or ZIKA:





## CDC's Response to Zika



STOP the spread

Zika symptoms

Learn about Zika at ode.gov/zika. Find out if your destination has Zika, check the CDC Travelers' Healt site for current travel notices; ode.gov/travel

. Watch for symptoms after you get home.

. Use condoms when you have sex.

The most common symptoms are:

. Use insect repellent for 3 weeks after travel.

. Call your doctor immediately if you suspect Zika.

Most people with Zika don't know they have it. The liness

is usually mild with symptoms lasting about a week.

## Pack to prevent

- Insect repetent 6.ook for these ingredients DEET, plcaridin, IR3535, OLE, or PMDJ
- . Long-sleeved shirts and long pants
- . Clothing and gear treated with permethrin . Infant carrier mosquito net (if needed)
- . Bed net (if mosquito
- can get to where you're sleeping)
- Condoms (if you

### Protect yourself

- . Use insect repellent. Reapply as directed. Remember to apply sunscreen frut.
- and then insect repellent.
- . Cover exposed skin when possible.
- Stay and sleep in screened-in or air-conditioned rooms. Use a bed net if you're sleeping outside.
- Zika can also be spread through





## Pregnant? Trying to conceive?

Zika is linked to birth defects. Pregnant women should consider postponing travel to any area with Zika. If your make partner travels to these areas, either use condoms or don't have sex for the rest of your pregnancy. If you are trying to become pregnant, talk to your doctor about your plans.







A person who was bitten by an infected mosquito while traveling away from home.

days

# Reduce the Risk of a Mosquito Bite by following the three D's

- Drain the water Be sure to empty containers around your yard
- Dress to cover skin Wear long sleeves and pants when outside during mosquito season
- ▶ Defend by use of repellants Follow label directions and apply an EPA registered and CDC recommended mosquito repellant.

# Stay Informed

- United States Center for Disease Control: www.cdc.gov/zika
- New Jersey Department of Health: <a href="http://www.nj.gov/health">http://www.nj.gov/health</a>
- County Office of Health Management: www.morrishealth.org
- Morris County Division of Mosquito Control: <a href="http://morriscountynj.gov/mosquito/">http://morriscountynj.gov/mosquito/</a>
- Local Health Department: <a href="http://www.state.nj.us/health/lh/directory/lhdselectcounty.shtml">http://www.state.nj.us/health/lh/directory/lhdselectcounty.shtml</a>

# Any Questions?



- ► Phone (973)285-6450
- ► Fax (973)285-6454
- ▶ Web <a href="http://morriscountynj.gov/mosquito/">http://morriscountynj.gov/mosquito/</a>

Susan Ellis, Bugwood.org